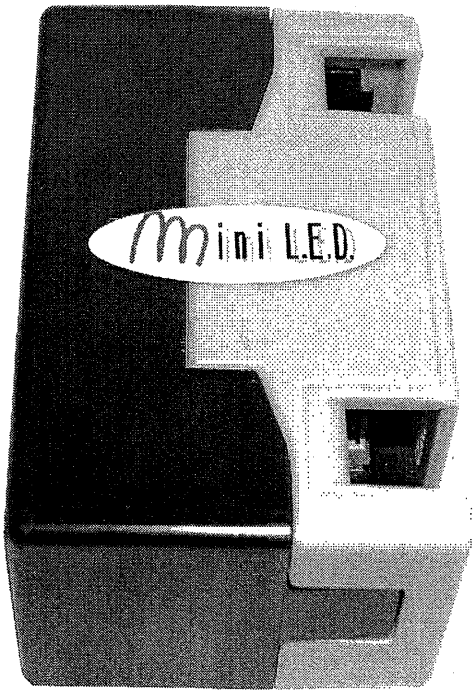


INSTALLATION GUIDE FOR A-DEC

F02505 SATELEC MINILED CURING

O.E.M.

GUIDE D'INSTALLATION / INSTALLATION GUIDE

I02505 - P9 - V5 - Document non contractuel - *Non contractual document.*

SATELEC

ACTEON group

RESPONSABILITE

La responsabilité du fabricant ne sera pas engagée en cas :

- du non respect des recommandations du fabricant lors de l'installation,
- d'intervention ou de réparations effectuées par des personnes non autorisées par le constructeur,
- d'utilisation sur une installation électrique non conforme aux réglementations en vigueur,
- d'utilisations autres que celles spécifiées dans ce manuel.

Le fabricant se réserve le droit de modifier l'appareil et / ou les documents d'accompagnement sans préavis.

L'intégrateur et / ou l'installateur sont également responsables de la conformité du montage du dispositif dans son environnement, par rapport aux réglementations en vigueur.

LIABILITY

The manufacturer accepts no liability in case of :

- *failure to respect the manufacturer's instructions for installation,*
- *maintenance or repair performed by persons not authorized by manufacturer,*
- *use on an electrical installation not complying with the regulations in force,*
- *uses other than those specified in this manual.*

The manufacturer reserves the right to modify the device and / or the accompanying documents without prior notice.

The dental equipment manufacturer and / or the installer are also responsible for the device mounting conformity in its environment, according to the regulations in force.

1 About This Install

These instructions detail how to install the SATELEC MINILED CURING LIGHT on A-dec chairs.

For each configuration, follow the steps to achieve the installation.

2 Recommended Tools

Before starting, ensure all the tools are available:

- Pozidrive or Phillips head screwdriver
- Needle nose pliers
- Routing cable
- Wire cutters
- Wire strippers
- Voltmeter
- Hex key set

3 Before You Begin

Before beginning the installation of the curing light, install the handpiece tubing. See instructions provided by A-dec.

Before beginning the installation , open the Mini LED installation kit, and verify there are no missing items. You should find:

- Curing light handpiece
- Control module
- Mounting bracket
- 2 mounting screws (power supply to bracket) Polyamide slotted head screw M3 and nylon washers
- 2 mounting screws (bracket to control head) 3mm x 5mm tap tite pozidrive
- 2 wires for 24VAC hookup, one black and one grey, 22 AWG, 60 inches (152cm)
- Adhesive Velcro® tape if needed to mount the module on assistant side
- Installation instructions for A-dec models listed above
- 3 small cable ties, ~ 4 inches long (100mm x 2,5mm)
- 1 long cable tie ~ 12 inches long (300mm x 4,6mm)
- 2 terminal block for 3 conductors
- Ferrite filter for installation on handpiece wires
- 4 A-dec 500 QD plugs, 026.160.00
- Operating manual
- Jewelers style screwdriver to fit control module terminal screws

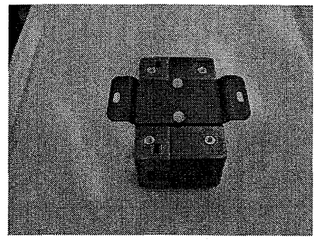
4 How to install

Find the configuration below, and follow the instructions:

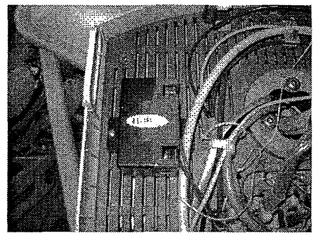
A-dec 500 Delivery System	**5**
A-dec 500 Assistant's Instrumentation	**6**
A-dec 500 12 O'clock Delivery System (541)	**7**
A-dec 500 12 O'clock Assistant's Instrumentation (545)	**8**
Performer Assistant's Instrumentation	**9**
Performer Delivery System	**10**
Radius Assistant's Instrumentation	**11**
Radius Assistant's Without Cuspidor	**12**
Radius Delivery System	**13**
12 O'clock Delivery System 4631	**14**

A-dec 500 Delivery System (532, 533 and 542)

1) Attach the mounting bracket to the module using the plastic screws.

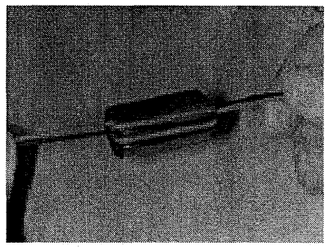


2) Mount the module to the structural platform using the self tapping screws.

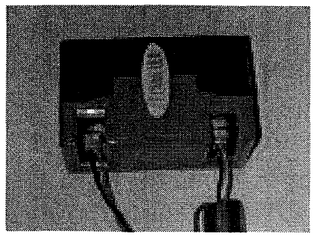


3) Shorten the tubing and wires as necessary.

4) Route the handpiece tubing wires through the ferrite twice as near as possible to the curing light module connector.

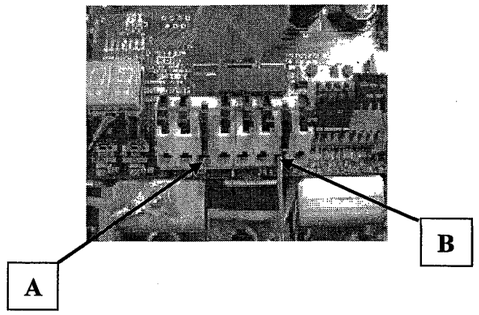


5) Connect the handpiece tubing wires to the control module.

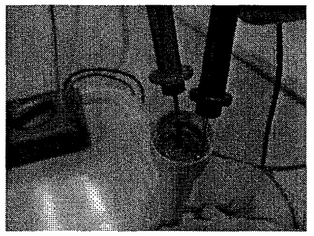


6) De-activate the handpiece holder if the curing light is being installed in a previously active holder position. The control block outlet for that position should be plugged.

7) Connect power wires to control head circuit board 24VAC terminal (grey to 24VAC and black to 0VAC).



8) Switch on the unit and check the polarity (+5VDC on the center and 0VDC to the external ring)

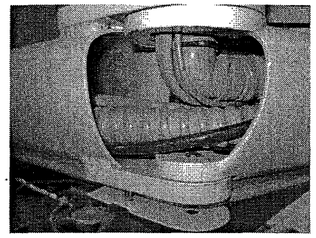


9) Replace the top cover.

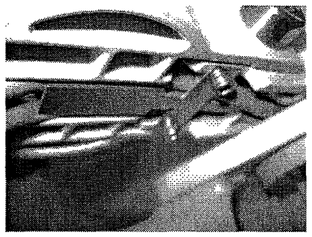
A-dec 500 Assistant's Instrumentation (551)

1) Turn power off

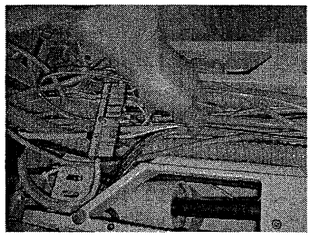
2) Remove solids collector and vacuum pipe connector from the support link.



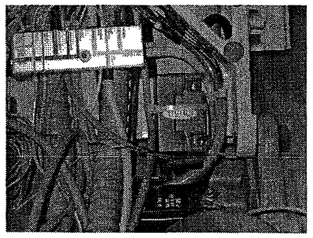
3) Remove the tubing bracket from the assistant's arm.



4) Use stringer to route the wires through the support link, down the chair lift arm and under the chair air / water manifold.

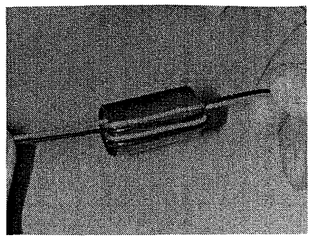


5) Attach the control module to the lift arm base with cable tie.

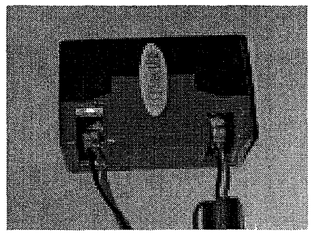


6) Shorten the tubing and wires as necessary.

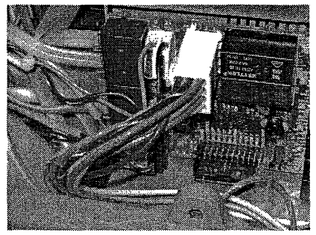
7) Route the handpiece tubing wires around the ferrite twice as near as possible to the curing light module connector.



8) Connect the handpiece tubing wires to the control module.

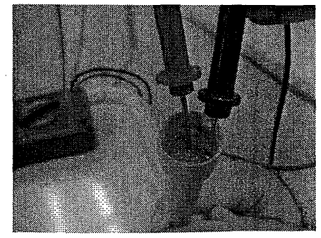


9) Connect power wires to the chair circuit board 24VAC terminal (grey to 24VAC, black to 0VAC).



10) Secure the tubing strain relief string to the power supply with the screw from the kit.

11) Switch on the unit and check the polarity (+5VDC on the center and 0VDC to the external ring).

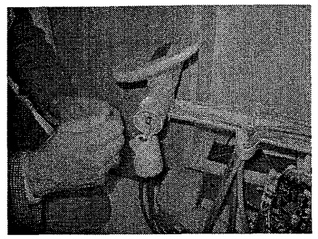


12) Switch off and replace solids collector and vacuum pipe.

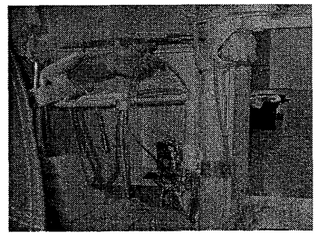
A-dec 500 12 O'Clock Delivery System (541)

1) Turn power off and remove the top cover of the arm assembly.

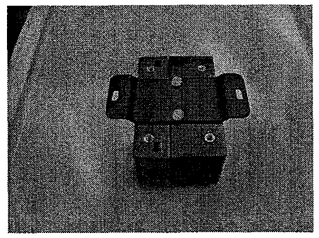
2) For deluxe touchpads, program holder position to "other." Press and hold program and A/B buttons for three seconds, and follow on screen instructions. For standard or no touchpads deactivate the holder position.



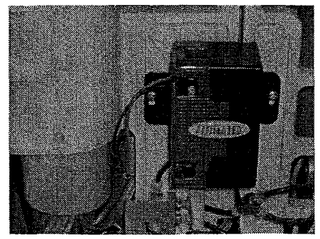
3) Route the handpiece tubing through the doctor's side support arm.



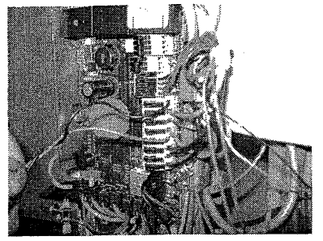
4) Attach the mounting bracket to the control module using the plastic screws.



5) Mount the module to the control central frame using the self tapping screws.

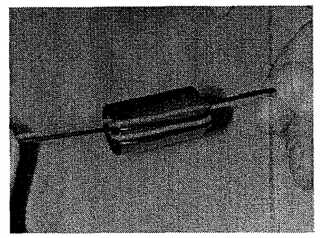


6) Connect the power wires to the delivery system circuit board 24VAC terminal (grey to 24VAC, black to 0VAC).



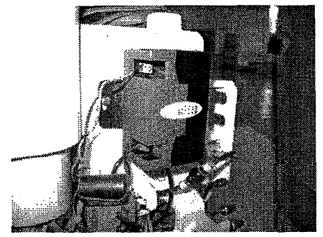
7) Shorten the tubing and wires as necessary.

8) Route the handpiece tubing wires through the ferrite twice as near as possible to the curing light module connector.

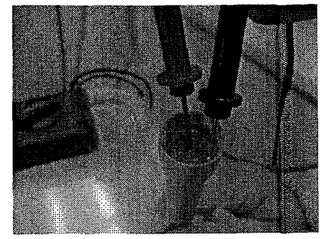


9) Connect the handpiece tubing wires to the control module.

10) Attach ferrite to the control center frame using cable tie.



11) Switch on the unit and check the polarity (+5VDC on the center and 0V DC to the external ring)



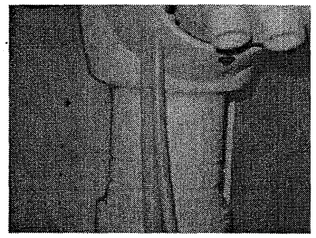
12) Replace the top cover of the arm assembly.

A-dec 500 12 O'Clock Assistant's Instrumentation (545)

1) Turn power off

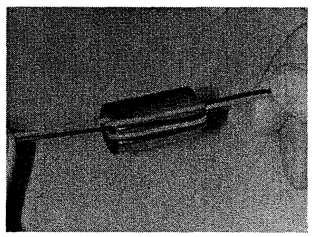
2) Remove the two screws holding the work surface and remove it.

3) Route the handpiece tubing through the syringe tubing hole.

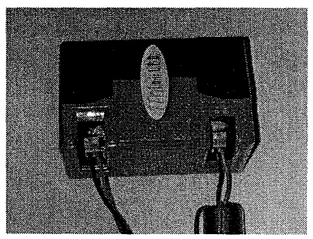


4) Adjust the length of the handpiece tubing and wires as necessary

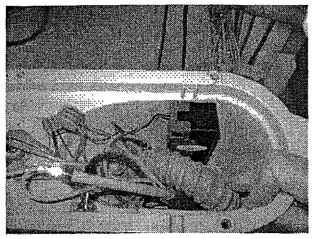
5) Route the wires through the ferrite twice



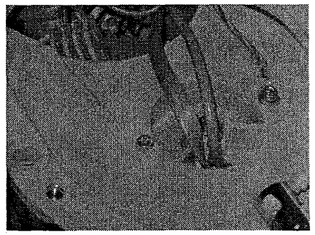
6) Connect the wires to the control module



7) Attach the control module to the inside wall of the work surface support housing using Velcro.



8) Secure the tubing strain relief string with the screw from the kit.



9) Switch on the unit and check the polarity (+5 on the center and 0VDC to the external ring).

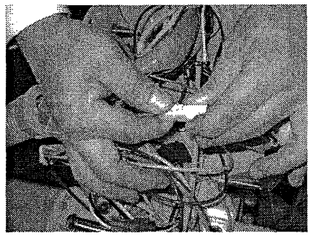
10) Switch off the unit and replace work surface

Performer Assistant's Instrumentation

1) Turn power off and remove seat upholstery.

2) Install handpiece tubing.

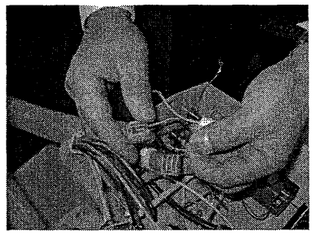
3) Open the junction box and disconnect the white connector.



4) Cut back wire insulation five inches on the male connector side.

5) Cut the black and grey power wires, and strip back ¼ inch.

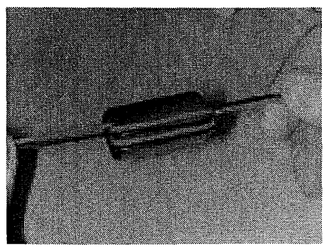
6) Install the black wires to one terminal strip, and the grey wires to the other terminal strip.



7) Connect the black and grey power wires to the control module and the terminal strip.

8) Shorten the tubing and wires if needed.

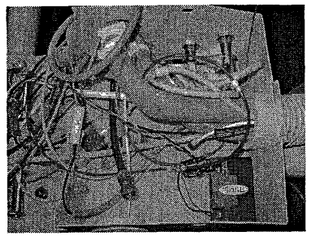
9) Route the handpiece tubing wires around the ferrite twice as near as possible to the curing light module connector.



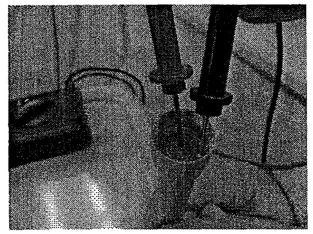
10) Adjust the length of the handpiece tubing wires as necessary and connect them to the control module.

11) Adjust the length of the handpiece tubing wires as necessary and connect them to the control module.

12) Attach the control module to the bottom of the junction box with Velcro.



13) Switch on the unit and check the polarity (+5VDC on the center and 0VDC to the external ring).



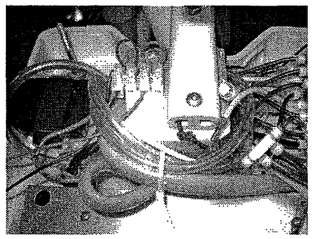
14) Switch off and close the junction box.

Performer Delivery System

1) Turn power off and remove the covers.

2) Install the handpiece tubing.

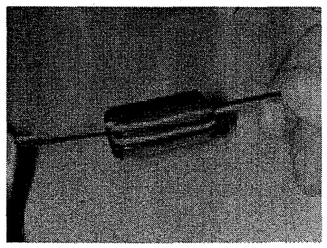
3) Attach Velcro onto the drive air pressure gauge and connect the power wires to the terminal strip.



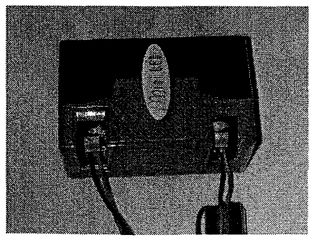
4) Shorten the tubing and wires if needed.

5) Secure the tubing strain relief string with the screw from the kit.

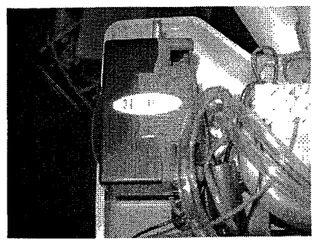
6) Route the handpiece tubing wires around the ferrite twice as near as possible to the curing light module connector.



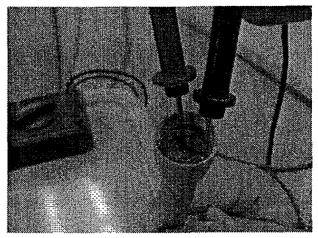
7) Connect the handpiece tubing wires to the control module.



8) Attach the control module on top of the drive air pressure gauge with Velcro.



9) Switch on the unit and check the polarity (+5VDC on the center and 0VDC to the external ring).



10) Switch off and replace the covers.

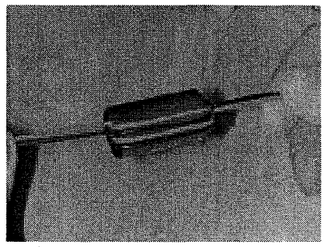
Radius Assistant's Instrumentation with Cuspidor

1) Turn power off and remove the cuspidor housing cover.

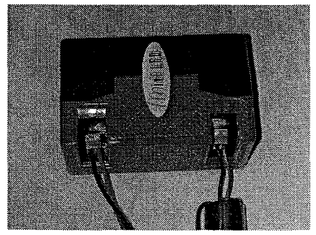
2) Install the handpiece tubing.

3) Shorten the tubing and wires as necessary.

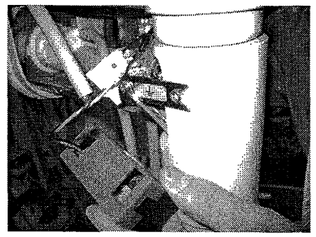
4) Route the light cable wires around the ferrite twice as near as possible to the curing light module connector.



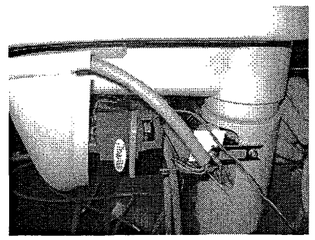
5) Connect the wires to the control module



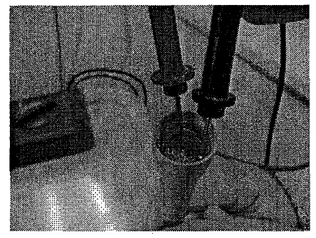
6) Strip back the power wires and connect them to the control module.



7) Attach the control module with zip tie to the mounting bracket.



8) Switch on the unit and check the polarity (+5VDC on the center and 0VDC to the external ring)



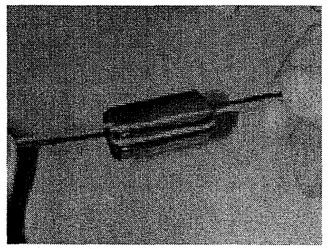
9) Turn power off and replace the cuspidor housing cover.

Radius Assistant's Instrumentation without Cuspidor

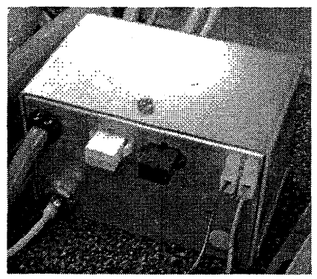
1) Turn power off and remove covers.

2) Install handpiece tubing.

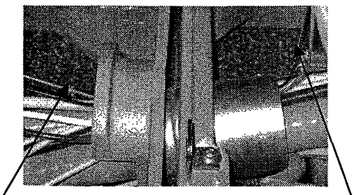
3) Route the light cable wires around the ferrite twice as near as possible to the curing light module connector.



4) Connect the black and grey power wires to the power supply located in the floor box



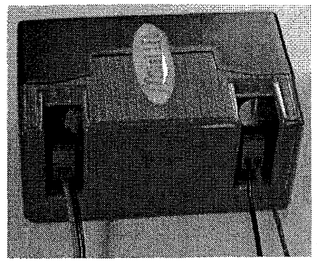
5) Route the power wires from the floor box to the chair base



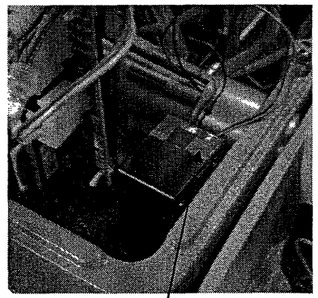
Power wires Power wires

6) Adjust the length of handpiece tubing wires and power wires as necessary.

7) Connect wires to control module

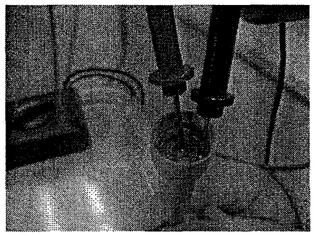


8) Attach the control module with Velcro to the chair base.



Control module

9) Switch on the unit and check the polarity (+5VDC on the center and 0VDC to the external ring)



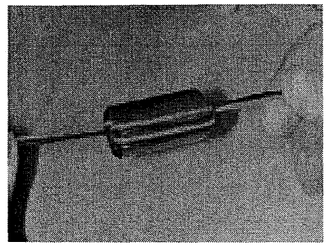
10) Turn power off and replace the covers.

Radius Delivery System (2122 and 2132)

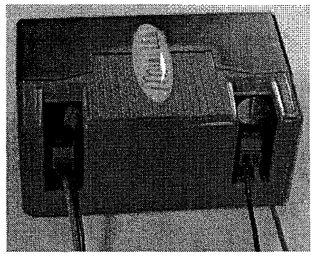
1) Turn power off and remove covers.

2) Install handpiece tubing.

3) Route the handpiece tubing wires around the ferrite twice as near as possible to the curing light module connector.

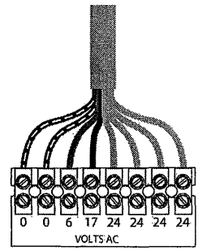


4) Connect the wires to the control module.

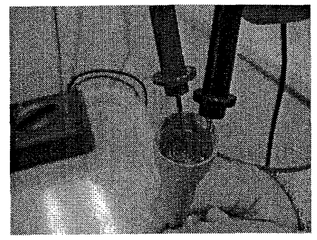


5) Mount the module to the control head platform using Velcro.

6) Connect the power wires to the terminal strip.



7) Switch on the unit and check the polarity (+5VDC on the center and 0VDC to the external ring).



8) Turn power off and replace covers.

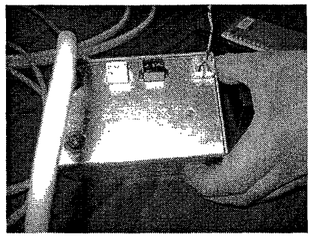
12 O'Clock Delivery System 4631

Note: A 25 Watt power supply must be installed to operate the curing light.

1) Turn power off.

2) Install handpiece tubing.

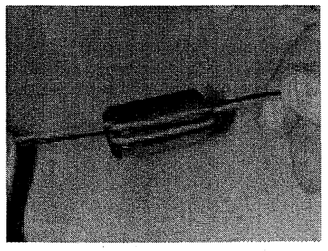
3) Connect the power cable to the power supply (Black to 0VACand grey to 24AC).



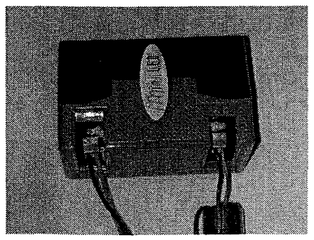
4) Route the power wires from the power supply under the control center frame.

5) Trim the power wires as necessary. Strip the wires back ¼" and connect the black and grey power wires to the control module.

6) Adjust the length of the handpiece tubing wires . Route the handpiece tubing wires around the ferrite twice as near as possible to the curing light module connector.

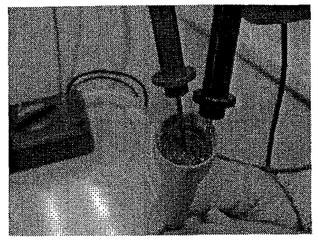


7) Strip back and connect the power and handpiece tubing wires to the control module.



8) Attach the control module to the control ce[illegible] with Velcro.

9) Switch on the unit and check the polarity (+5VDC on the center and 0VDC to the external ring).



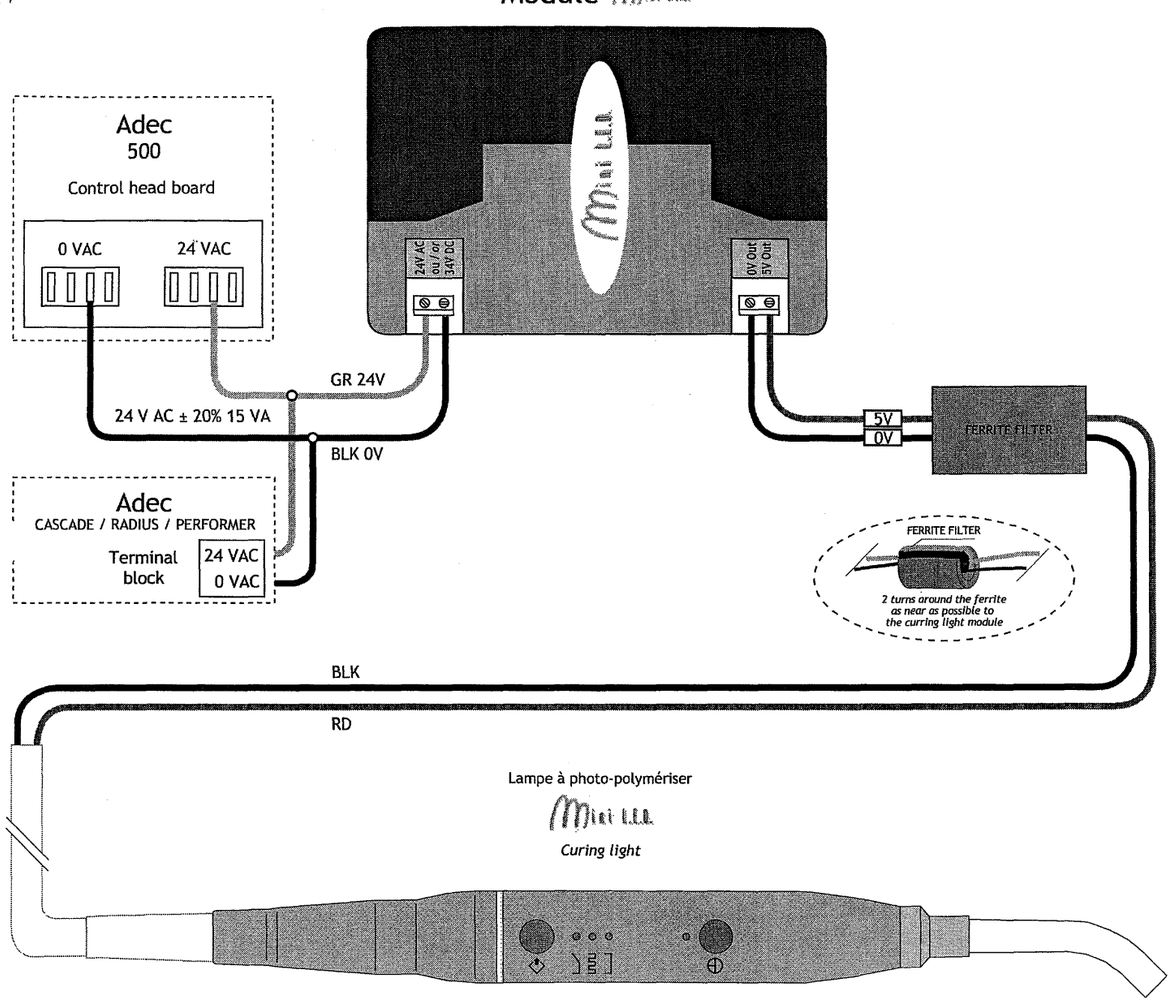
10) Turn power off and replace covers.

Mini L.E.D.

Notice

Technique / *Technic*

LAMPE A PHOTO-POLYMERISER A L.E.D. AVEC MODULE POUR UNIT
L.E.D. CURING LIGHT WITH MODULE FOR DENTAL EQUIPMENT



Code couleur / *Color code*

GR = Gris *Grey*
RD = Rouge *Red*
BLK = Noir *Black*

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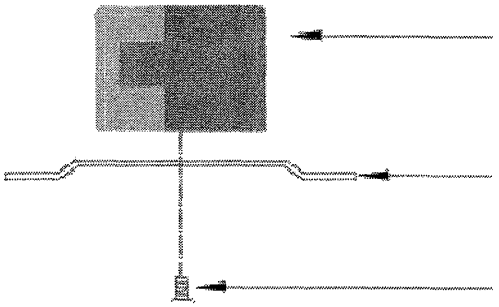
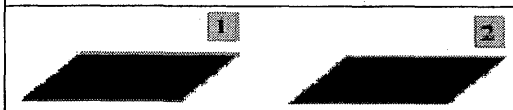
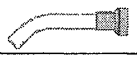
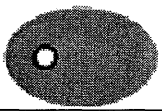
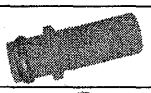
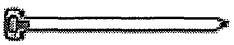
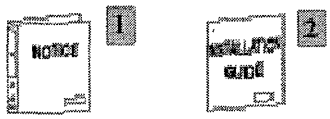
L'intégrateur et / ou l'installateur sont également responsables de la conformité du montage du dispositif dans son environnement, par rapport aux réglementations en vigueur.

The dental equipment manufacturer and / or the installer are also responsible for the device mounting in conformity with its environment, according to the regulations in force.

CE

F02505 PARTS LIST

SCHEMA	QTE	DESIGNATION	*DESCRIPTION*
	1	Module Mini LED OEM	*Mini LED curing light module*
	1	Support Newtron kit A-dec	*Mounting bracket*
	2	Vis TCF M3x6	*Plastic screw TCF M3x6*
	2	Vis taptite M3 x5	*3mm x 5mm taptite pozidrive*
	1	Bande Velcro crochet	*Hooks adhesive Velcro tape*
	1	Bande Velcro boucle	*Loops adhesive Velcro tape*
	1	Cordon silicone	*Silicone Handpiece tubing*
	1	Guide optique Mini LED	*Mini LED light guide*
	1	Piece à main Mini LED	*Mini L.E.D. OEM handpiece*
	1	Ecran de protection	*Light Shield*
	1	Tournevis	*Jewelers style screwdriver*
	4	Bouchon laiton	*A-dec 500 QD plugs*
	2	Bloc de jonction	*Terminal block*
	3	Collier Tyrap	*Cable tie (100 x 2.5mm)*
	1	Collier Tyrap	*Cable tie (300 x 4.6mm)*
	1	Ferrite	*Ferrite filter*
	1	Fil gris UL Jauge 22	*UL grey wire AWG22*
	1	Fil gris noir Jauge 22	*UL black wire AWG22*
	1	Notice Mini LED	*Mini LED notice*
	1	Guide d'installation	*Installation guide*

I02505 - P9 - V5 - Document non contractuel - *Non contractual document.*

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